

providing substrate;
depositing a cap layer disposed on said substrate; [and]
associating an anti-reflective coating with the cap layer; and
forming an array of emitter tips on said cap layer with the associated anti-
reflective coating associated therewith said substrate.

Please add new claims 31 and 46 as follows:

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- 31. An improved cathode substrate for a field emission display comprising:
a substrate;
a cap layer that has a light blocking layer associated therewith, the cap layer with
the associated light blocking layer being disposed on said substrate; and
an array of emitter tips formed on said cap layer with the associated light blocking
layer, the cap layer with the associated light blocking layer being disposed on said substrate.--
- 32. An improved cathode substrate according to claim 31, wherein said substrate is a
soda-lime glass.--
- 33. An improved cathode substrate according to claim 31, wherein said cap layer is
deposited on said substrate by plasma enhanced, chemical vapor deposition.--
- 34. An improved cathode substrate according to claim 31, wherein said cap layer has
a thickness in the range of 0.1 to 0.5 microns.--
- 35. An improved cathode substrate according to claim 31, wherein said cap layer is
selected from the group consisting of silicon dioxide, silicon nitride, silicon carbide, and
diamond-like carbon.--
- 36. An improved cathode substrate according to claim 31, wherein said substrate is
plastics material.--
- 37. An improved cathode substrate according to claim 31, wherein said substrate is a
non-conductive material.--
- 38. An improved cathode substrate according to claim 31, wherein said substrate is
leached prior to deposition of said cap layer.--
- 39. An improved cathode substrate for a field emission display formed by the steps
of:
providing substrate;